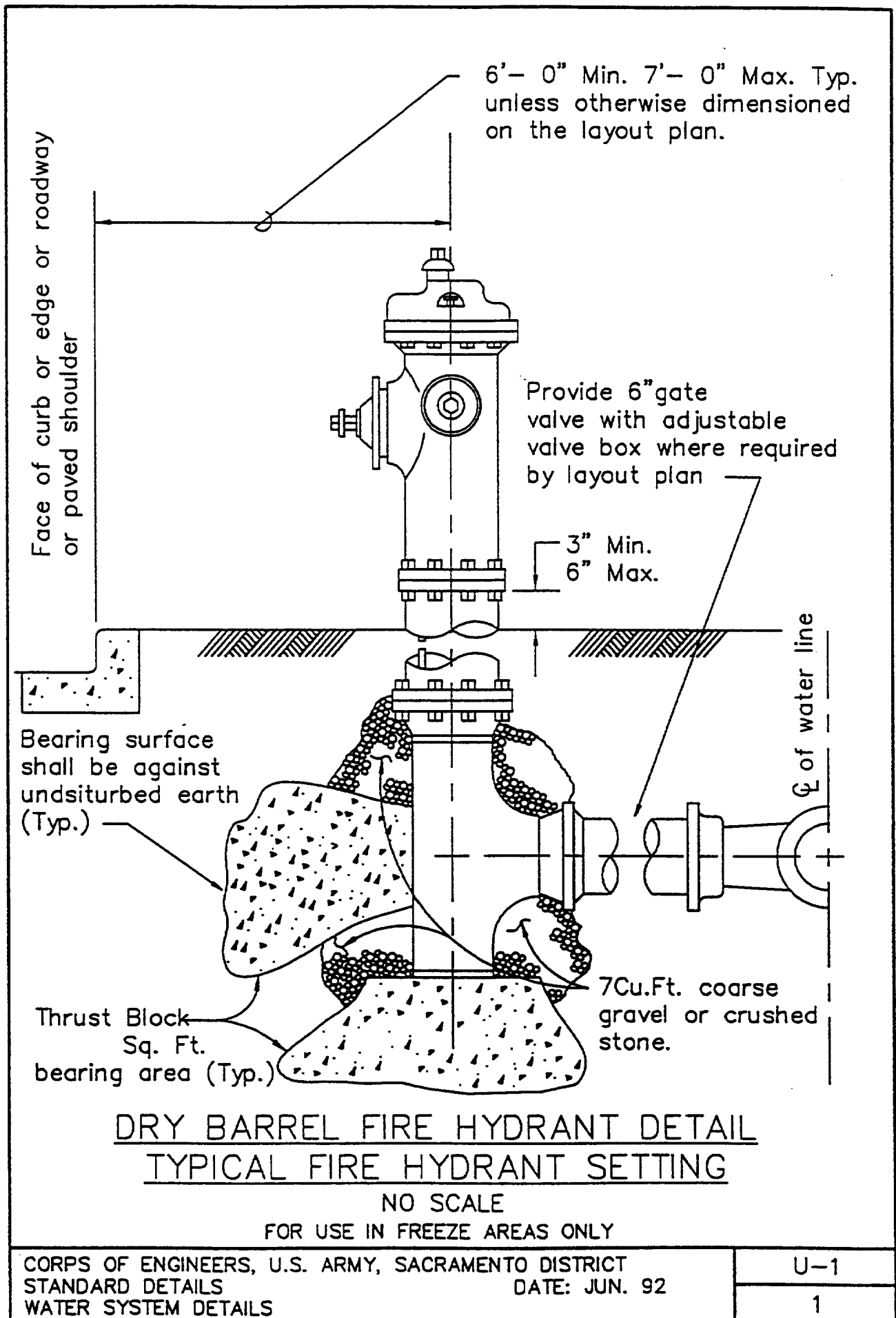
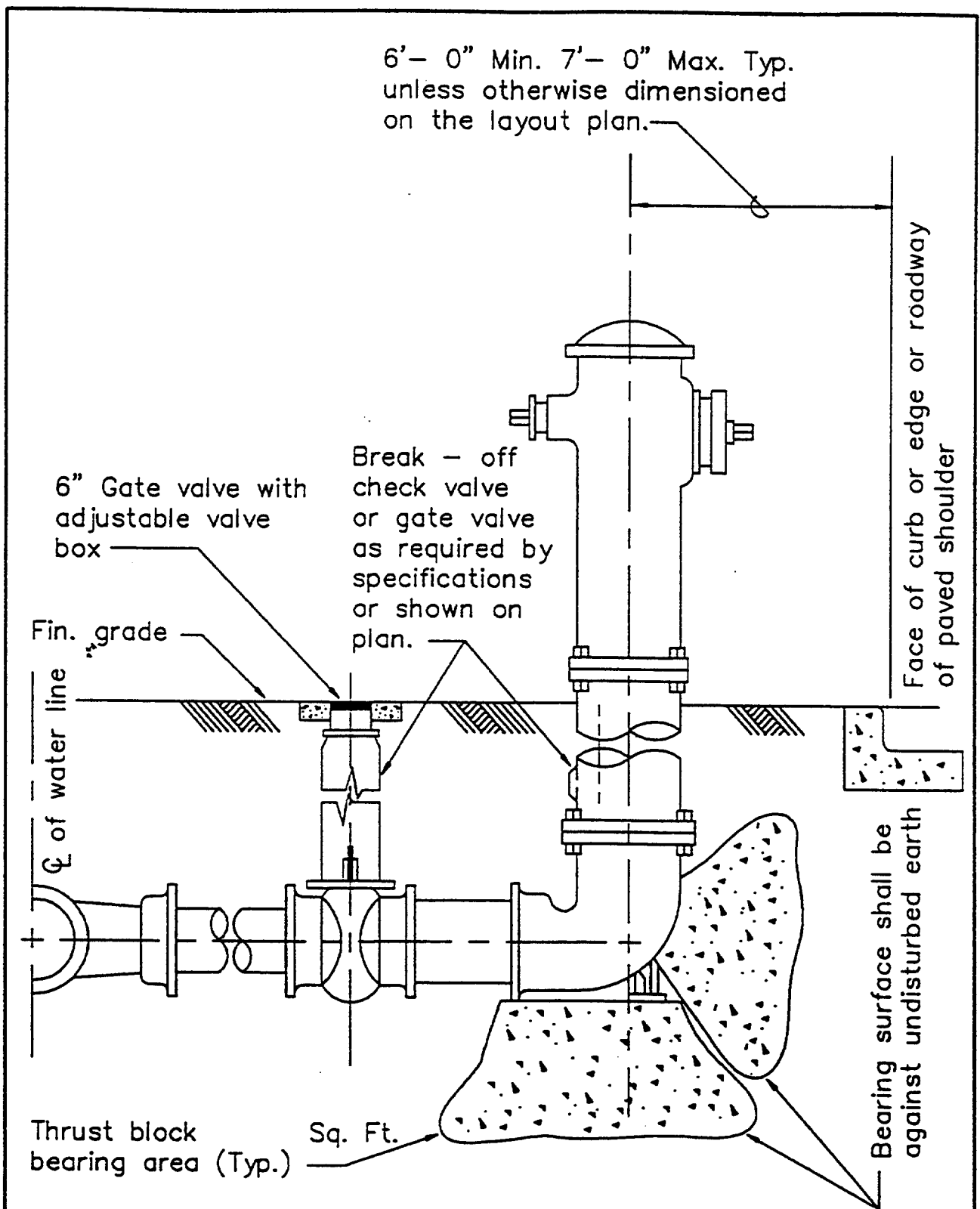


NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



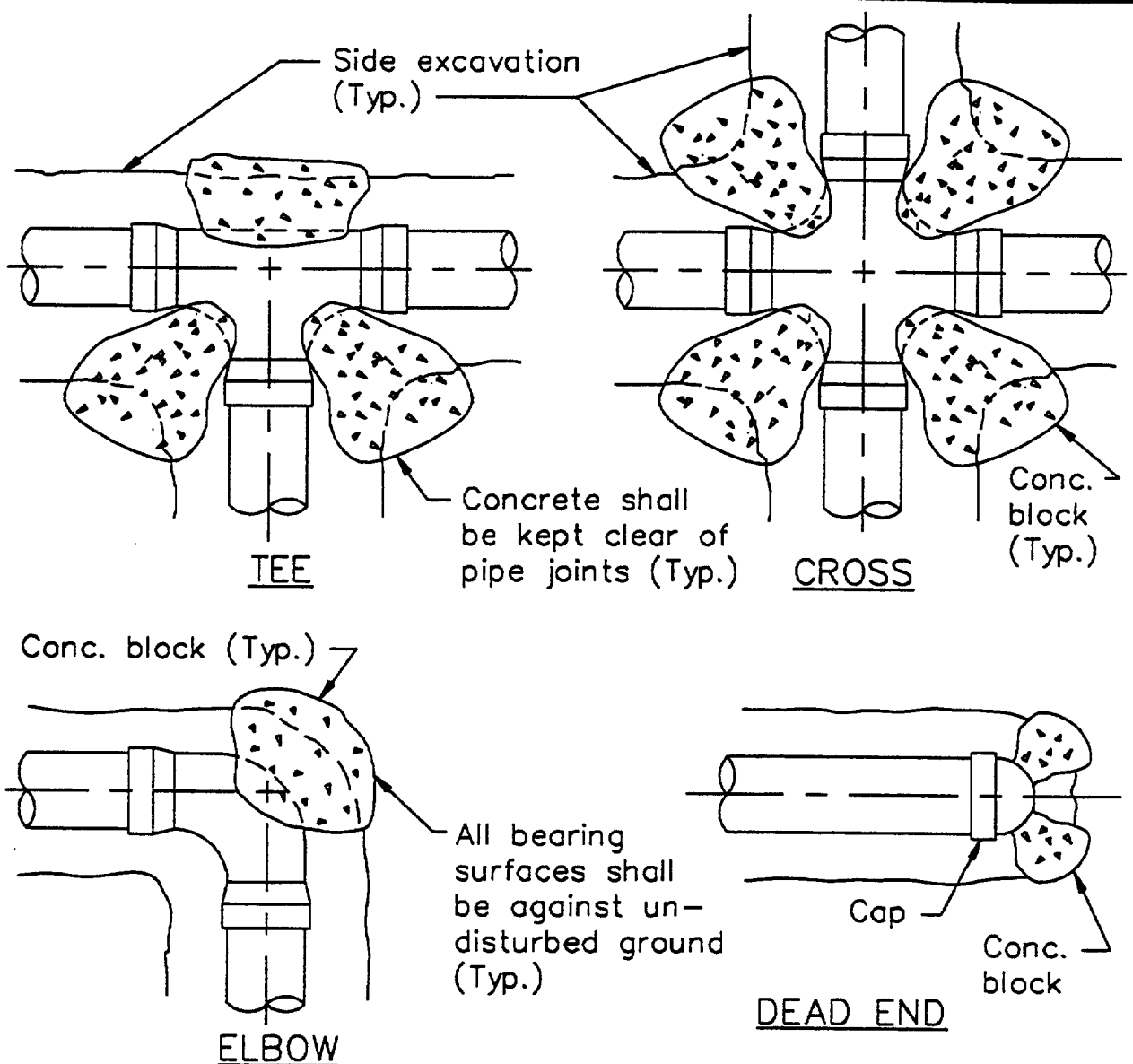
CORPS OF ENGINEERS, U.S. ARMY, SACRAMENTO DISTRICT  
STANDARD DETAILS  
WATER SYSTEM DETAILS

DATE: JUN. 92

U-2

2

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



BEARING AREA EACH DIRECTION OF THRUST IN SQUARE FEET					
PIPE SIZE	TEES AND CROSSES	90° ELBOWS	45° ELBOWS	22 1/2° ELBOWS	DEAD ENDS
"					
"					
"					
"					
"					
"					

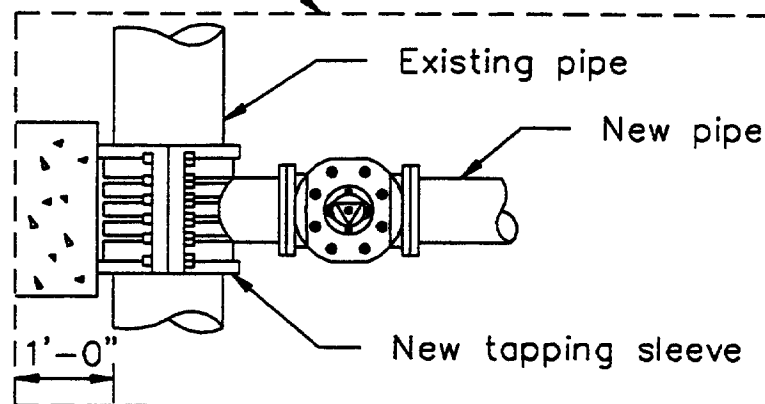
NOTE: Bearing areas shall be as shown in calculations in analysis of design.  
(The above note shall not be included in drawing detail)

## TYPICAL THRUST BLOCK INSTALLATION

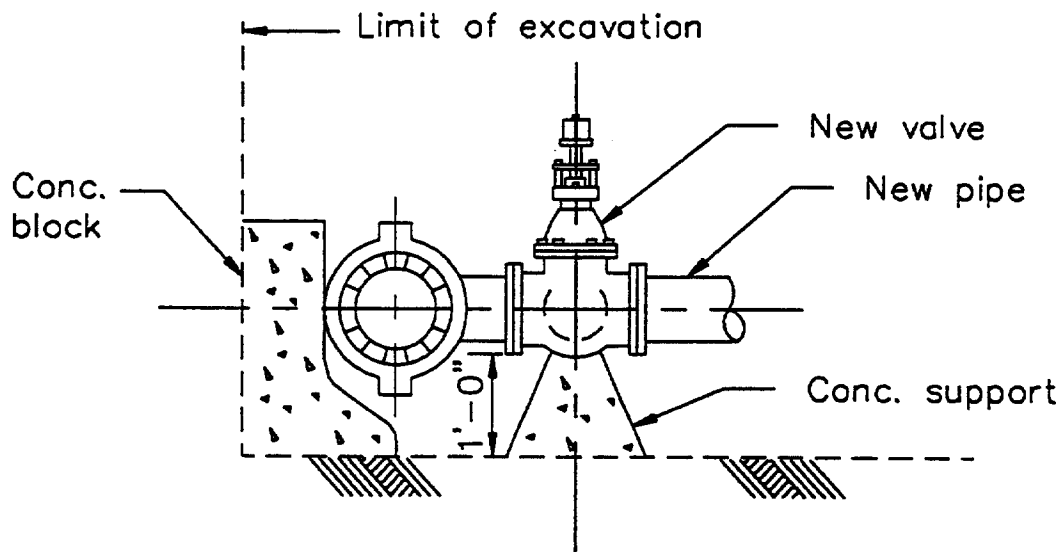
NO SCALE

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT

Limit of excavation  
as required for  
tapping machine



PLAN

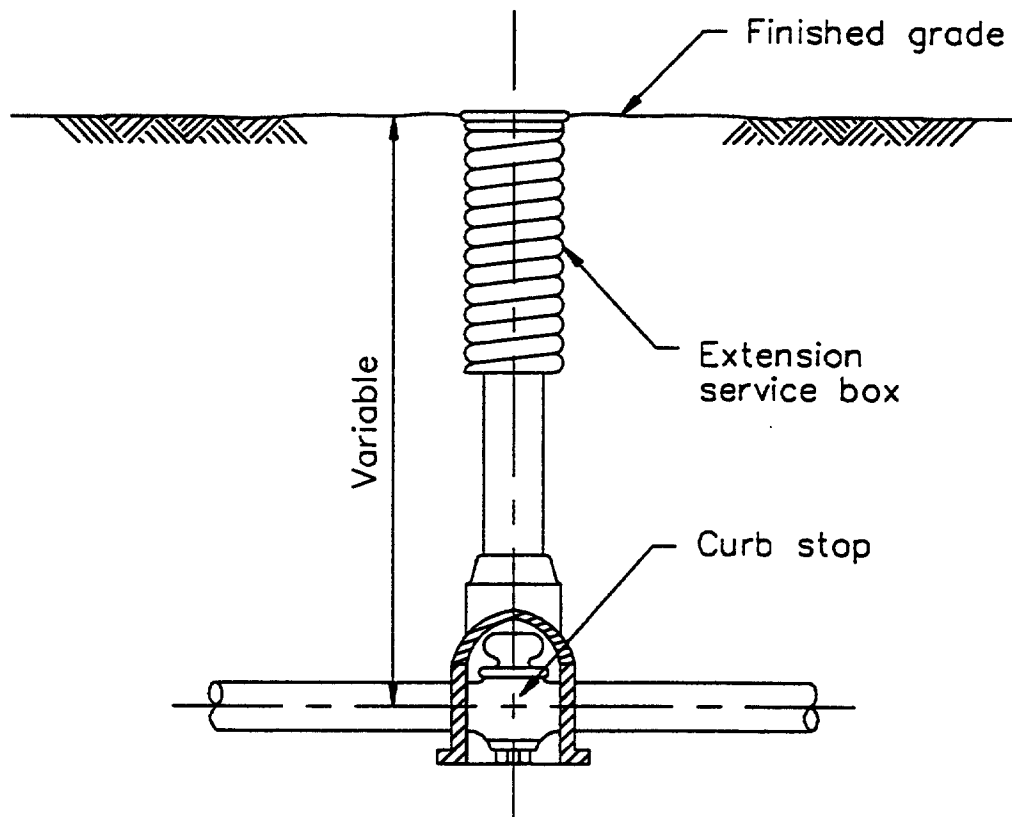


ELEVATION

TAPPING SLEEVE & VALVE  
INSTALLATION DETAIL

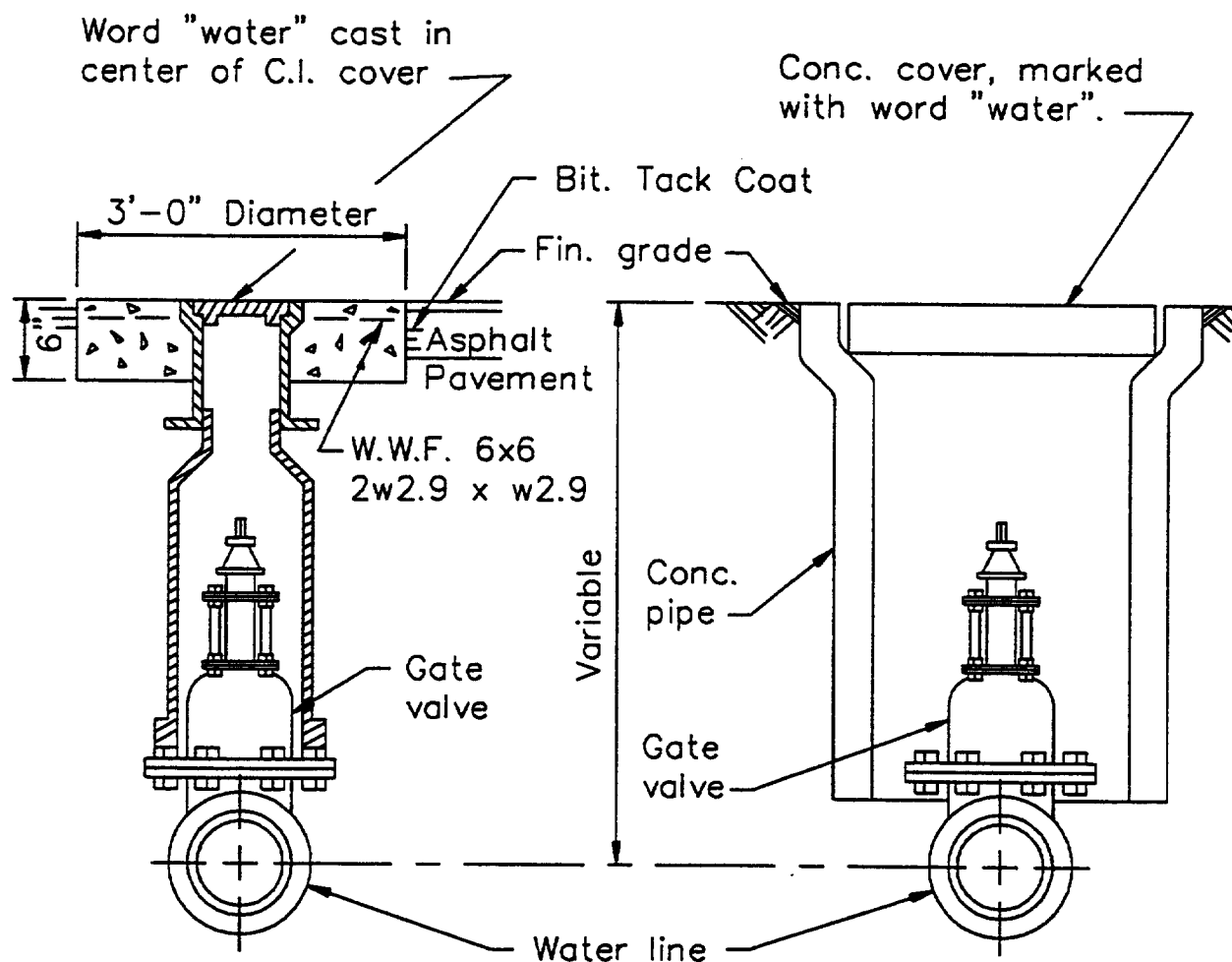
NO SCALE

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



TYPICAL SERVICE BOX SETTING  
NO SCALE

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



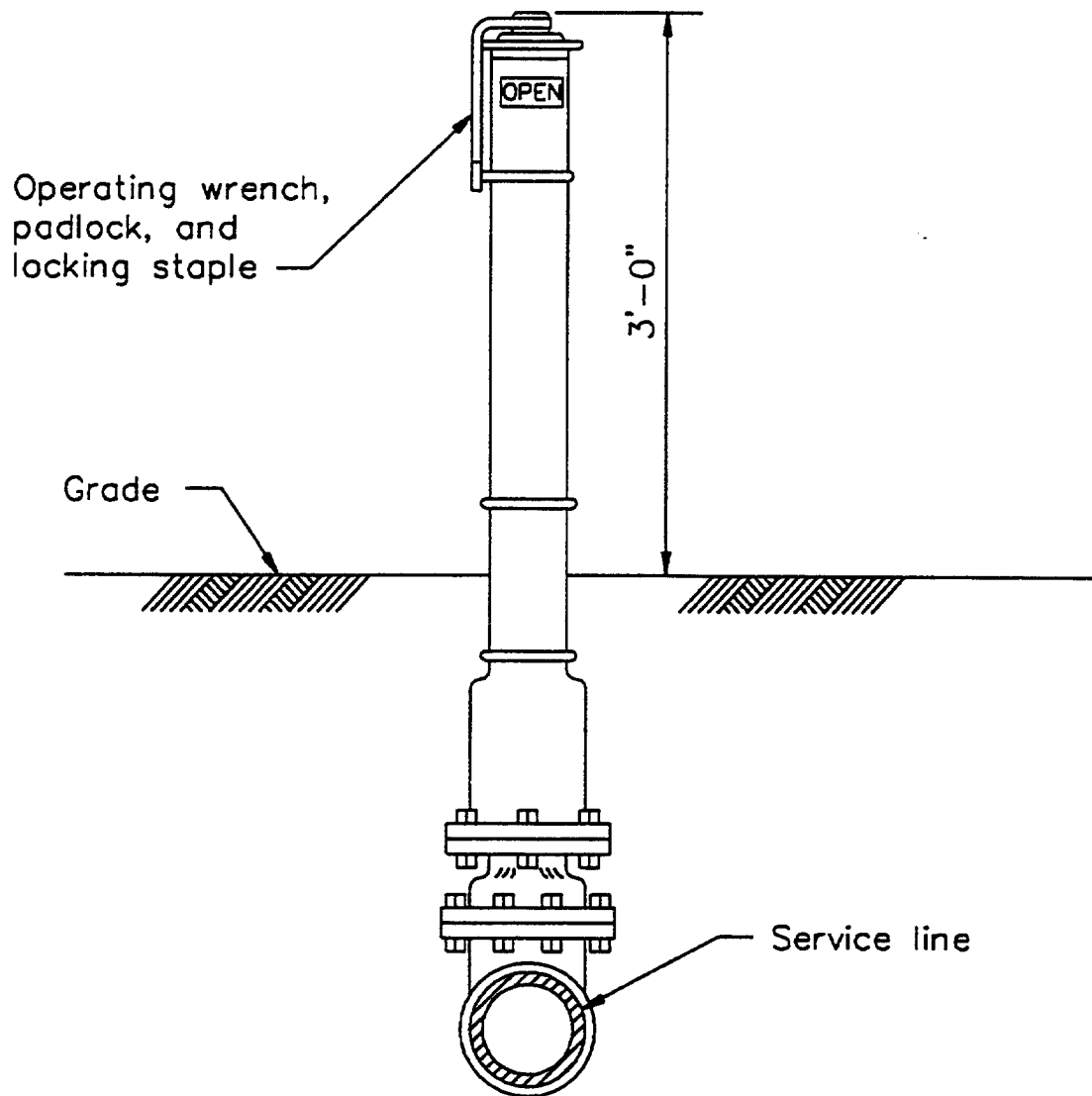
PAVED AREAS

UNPAVED AREAS  
(USE IN NON-TRAFFIC AREAS ONLY)

## TYPICAL VALVE BOX DETAILS

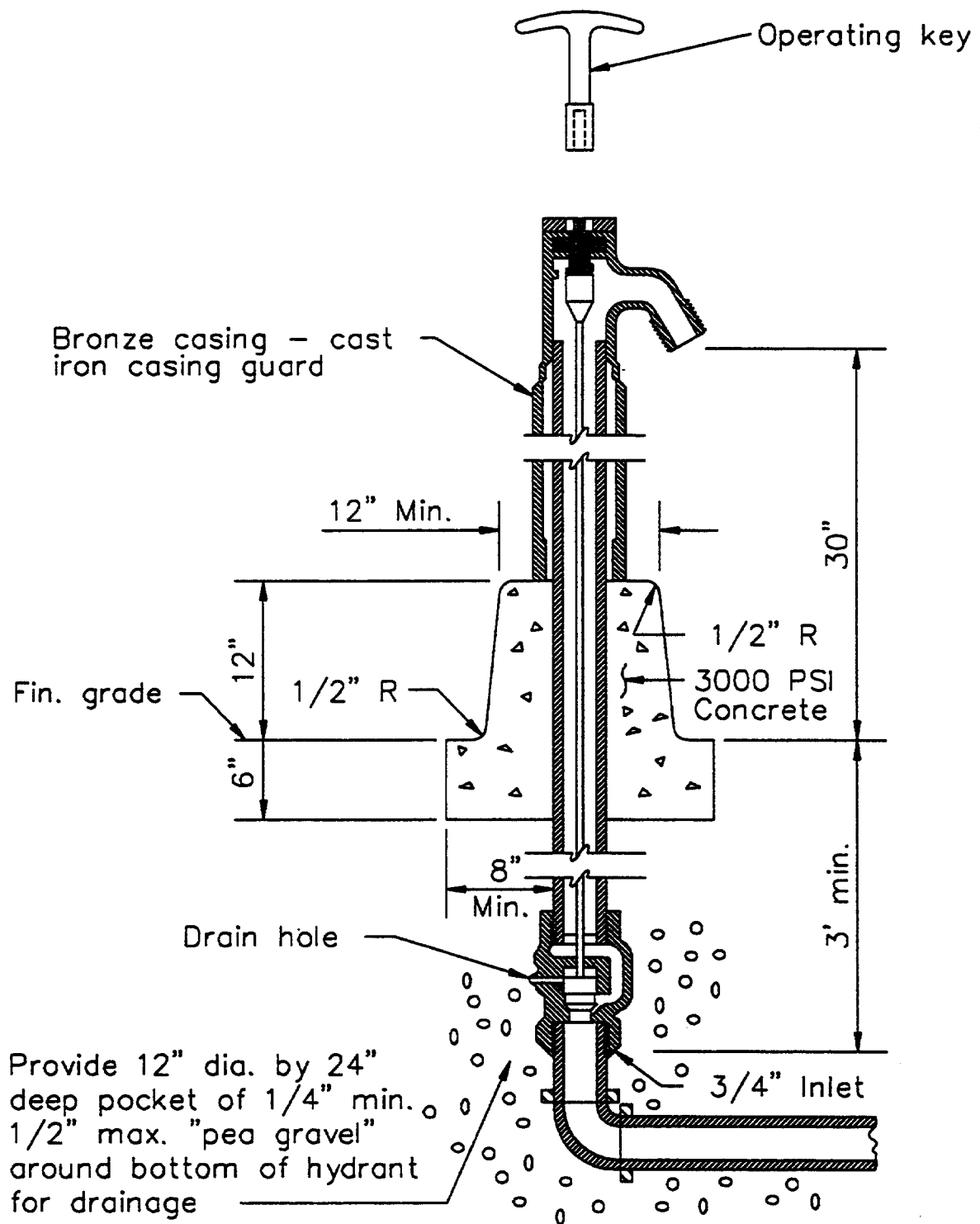
NO SCALE

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



GATE VALVE WITH INDICATOR POST  
NO SCALE

NOTE: ALL LETTERING SHALL BE 1/8" MINIMUM HEIGHT.



NON-FREEZE HOSE BIBB  
NO SCALE